

APPENDIX A: DNA SEQUENCES

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>RXA00014-upstream

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>RXA00196-downstream
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>RXA00202-upstream
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>RXA00202
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>RXA00206
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>RXA00224

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>RXA00225-upstream

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>RXA00225

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>RXA00235

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>RXA00246
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>RXA00268-upstream

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>RXA00268

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>RXA00268-downstream

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>RXA00288-upstream

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>RXA00288

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>RXA00290-upstream

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>RXA00290

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>RXA00293-upstream

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>RXA00293

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>RXA00296

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>RXA00310-downstream
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>RXA00317-upstream
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>RXA00317

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>RXA00327-upstream

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>RXA00327

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>RXA00327-downstream

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>RXA00328-upstream

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>RXA00328

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>RXA00328-downstream

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>RXA00329-upstream

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>RXA00329

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>RXA00379
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>RXA00381
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>RXA00385
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>RXA00386
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>RXA00406
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>RXA00427

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>RXA00427-downstream

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>RXA00483-upstream

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>RXA00483

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>RXA00511

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>RXA00511-downstream
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>RXA00517
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>RXA00518
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>RXA00521
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>RXA00606
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>RXA01049-upstream

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>RXA01049

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>RXA01193

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>RXA01201
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>RXA01225
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>RXA01259-upstream

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>RXA01259

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>RXA01262
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>RXA01312
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>RXA01325
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>RXA01373
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>RXA01377

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>RXA01392-upstream

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>RXA01392

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>RXA02404
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>RXA02474

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>RXA02737

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>RXA02741-upstream

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>RXA02741

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>RXA02852

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>RXA02853-upstream

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>RXA02853

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>RXA02854

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>RXA02873

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>RXA02887

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>RXA02897

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>RXA02902

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>RXN00013

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>RXN00200-upstream

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>RXN03057-downstream

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>RXN03061-upstream

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>RXN03061

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>RXN03076-upstream

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>RXN03076

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>RXN03083
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>RXN03083-downstream
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>RXN03086
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>RXN03087-upstream

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>RXN03087

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>RXN03087-downstream

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>RXN03096-upstream

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>RXN03096

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>RXN03101

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>RXN03112-upstream

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>RXN03112

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>RXN03117-upstream

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>RXN03117

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>RXN03117-downstream

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>RXN03144

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>RXN03144-downstream

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>RXN03150

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>RXN03150-downstream
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>RXN03179
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>RXN03180
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>RXN03180-downstream
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>RXN03186-upstream
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>RXN03186
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>RXN03187
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>RXN03187-downstream
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>RXS00584 - 5'-Region
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>RXS00584 - coding Region

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>RXS00584 - 3'-Region

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>RXS01260 - 5'-Region

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>RXS01260 - coding Region

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>RXS01260 - 3'-Region

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>RXS01261 - 5'-Region

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>RXS01261 - coding Region

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>RXS01261 - 3'-Region
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>RXS01758 - 5'-Region
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>RXS01758 - coding Region
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>RXS01758 - 3'-Region
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>RXS02574 - 5'-Region
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>RXS02574 - coding Region
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AGCAAAGTAGGAATTACCCCAAGTATTCAAACATTTCCAGGTACCGGTCGTGCAAGTGGCGATTGCGAC
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GCAGTGCTTGCTCCCTCAAAGCAGGCGCAGACCAAGCACTATGGATCGACTATGGGTGCTTGGGCTCC
GCGATTGATCGCGTTGATGCTGCCGTTAGCAGCGGTGAATACCCTCAAGAACAAATGCTGGCATCTGCG
TTAAGAGTCCAATTGCTCTACATCACACGTCTCGAACAAAAG

>RXS02574 - 3'-Region
TGAAGTTACCAGTCCGTAACCCC

>RXS02735 - 5'-Region
GAGGAGCTTCGCCACATGGATCCAGATTTGGGCTACCAGCACGCACTATCCGGCTTGTCCAGCGTCAAG
CTGGAAACCGTCTAAGGAGAAATACAACACT

>RXS02735 - coding Region
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 GGCGAAGGCCATATCAACTCCCTGTTCCCTCACACCGATGCAGTCAAGGAATCCTCCGCAAAGGTCATC
 GCGGTGTTTGATTCCCCTAAGCCTCCTTCAGAGCGTGCAACTCTAACCCTTCTGCGGTTCACTCCGCA
 AAGCGCGTGTGGTTGCTGGTTTCTGGTGCGGAGAAGGCTGAGGCAGCTGCGGCGATCGTCAACGGTGAG
 CCTGCTGTTGAGTGGCCTGCTGCTGGAGCTACCGGATCTGAGGAAACGGTATTGTTCTTGGCTGATGAT
 GCTGCAGGAAATCTC

>RXS02735 - 3'-Region
 TAAGCAGCGCCAGCTCTAACAAG

>RXS03215 - coding Region
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 GAAGTGTCTGTGAAAAGGGCTCCGTGCTCTTTGATTTCCGCAACTCAGGCGAATTCAAAATCTTCACC
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 TTGGAAGAAGGGCTACACAATATGCAGCTCATTGATGCTGTATCACAGTCAGCTGCAGCAGGTGGCGAA
 ACCGTTGCGGTCCCAGCGGCTGCTCTGATCCCTGCAAACAAC
 RXS03215 - 3'-Region
 TAGAACTATTTCAGAAAGCATCACCATGAA

>RXS03224 - 5'-Region
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 TTGAACGCCGCGCCCGGCTAAGGTGGGAGGC

>RXS03224 - coding Region
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 AATGAAGCGATGACCTATAAGTCCGTCCGTCTTGGAGGTGAAGAGCTGACAGTGCATCTTGATTTGGAA
 GAGGTGTCTGTTTCGGATCCTTGATGGCGAGAAGGTGCTGTTTCAGTACAGCGCT

>RXS03224 - 3'-Region
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>RXC00233 - 5'-Region

CGCCTCCAGCAGTTGAGGGAGAAGTTCCAACACTTGCACCAACTGAGGAAGCAACTGTGCAATAGCGCT
TTAGACACAGACTCATGACAGAATAGAAGAC

>RXC00233 - coding Region

ATGAGTGTGAATGAAGCAGATCTGAACGCTGTGAAGAGCAATTGGGAAGGGCCCCACGAGGTGTCCTC
GATATTTCTTACCGCAGCCCTGATGGAGTACCCGGTGTGGTGATGACCGCACCAAACTGGATGACGGA
ACCCCATTTCCCAACCCCTGTACTACTTGACAGATCCACGCCTGACCACCGAGGCATCCCGCCTCGAGGTC
GCATTGGTAATGAAGTGGATGACTGATCGCCTTTCCACCGACGAAGAGCTTCGTGCCGACTACCAGCGC
GCCCACGAGCACTTCTGGCAAAGCGCAACGCAATTGAAGATCTCGGCACGGATTTTCCGGCGGTGGC
ATGCCTGACCGAGTGAAGTGCCTTCACGTCTCATTGACTATGCACTGGCAGAAGGCCACACCATTTC
CTT

>RXC00236 - 5'-Region

AATGCGAGAGTTCTAAAAACGAGCCGGTAACATCGACCCCCATGAGTTCAGGGGTTAGAAAAGCAATGGG
ATTTGGATGCGGTTTCGGTTTTGGCCGTCATC

>RXC00236 - coding Region

ATGGTGATCTCATTTGTTGGATGGGCGCTCAGCTTCATGGATGGAACGGCACCTATTGCGCAACTCCAG
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TCCCTGGATGAAAATGGAGTTGCAACCCCTCCAATCATCGGCGTTCCTACTTGATGGTTACCGGGGTTT
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AACCAAAATTGATGACGAGCATTGAGTGCCGCAAACTGTTGTGTTCCAACGATCGTGACTTGTCCACT
CCTGAAGGATGGACCGCAGCTGTTCTATTCTTACAACATGTCTAATCAGTATTTGATGGACGTTTCGAGAT
GCTGCCGCGTCTACGCTTTACGACAGCCGGCGATC

>RXC00236 - 3'-Region

TAAAACTTAACAAGCGCAACCCC

>RXC00271 - 5'-Region

TAGTTTAAATCATGAGACATTTACATATGGTTCTTTATCCGAGACATGTGTTGACGCTGTCTGCCCT
TTTTGAAAATAACACTTTAAGGAGATGTGCC

>RXC00271 - coding Region

ATGTTTTCTTCCCGTTGGAAGGTACTCGCAAGCATCTTTACTGTTGGCGCCTTGGCGTTGGCTTCGTGC
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AACCAGCTTGTTTCAGCACCCCTGCACTTGATGCAGCGACCACTGGTTTCAAGGAAGCTTTTGAAGAGGCA
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CAGTTTCGCTTCTGACAATTTGGATCTCGTGTGGCTGTTGCAACTCCAGCAGCACAGGCAACTGCGCAG
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GTGCAGGTGATGAGGTACCAAGGCTGCTGAGCCACTGGGGCTGTCCGTTAATACTCAGACTGTCACT
ACCGTGAACGAGATTACGAGGCTGTTGAAGCTCTCGGCGATGTTGATGTCATCTACGTTCCAAGTAC
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GCTGAGTCCGGCACTGTTGAGGGTGGCGCACTGGCAACCCTGGGTATCGATTACACCGAGCTTGGCCGC
CAGACTGGTGAGATGGCTCTGCGTATTTCTGCAGGACGGCGAAGACCCAGCAACCATGCCGTGGAGACT
GCAACTGAGTTCACCTACGTGATCAACGAAGATGCAGCAGAGCGCCAGGGCGTGAGATCCCTCAAGAG
ATTTTGGATAAGGCCGAACGCGTA

>RXC00271 - 3'-Region

TGATCGGCGCTTTTGGAGTTCGGA

>RXC00338 - 5'-Region

TCTTAGAAGGCGTAGTCACACCATTAACCTTGCCAGAATTTTCAAGGCTTGGCTAGACTTGGGAAACG
AACATGCGGTACCAACCAGGGGAGTTAATGC

>RXC00338 - coding Region

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 GATTGCACCCAGGCAGTGGCCGACAAGGCTGTGGACATGGGTTTGGACATGCTGATCATTACCACCCA
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 GATGAATATCTCCGAGAAGGTGGCCCTGCAGTAATCGATACTGCACACTGGGCCAGCGAATTTCCATGG
 ACTTCCCAAGCCCAAGAAATTTGCAGGACAAAGCCCCACAGGTTGAAGTTGATGTGATTTTCGATCCGC
 ACAGACCCCTGGACCATGTCTGCGCGAGCAGTGAAC

>RXC00338 - 3'-Region
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>RXC00362 - 5'-Region
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 CGGTTTTTTTCGGTCACTTAAAGGAGGCGCTT

>RXC00362 - coding Region
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 ATTTTCAGAAGCATTGCTAGTTGGATTAGTAGGAAGTGCAGCTTGTGCGCGGTGTAAATGCACCGACATTA
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 CTTTCGAGGTGGCGCAGGTTATGTTTCCACTCTTGGATCTGCGCTCATTGGACTCATCGCTGGATCAACG
 GCTGGAAACTCCGCGACGGTTGGCTCAGTGACGATCCCTTGGATGAAAAAGACGGGATGGACTGCTGAA
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 GCTGCTCGTTCGCTTGGCTGCGGTAGGTATTGATCCAACCTGTGGCGATCGTAGTGATCTTCTGTGCACT
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 GGAATGGGATTCTTACCAGTGATTGTTCCCTACGGGT

>RXC00362 - 3'-Region
 TAAAGGGGTAAAAATGAACTCAA

>RXC00412 - 5'-Region
 CTTTTGACGAACACCACGTACGCTTCCTCGGGGCGTTAAACTATTTGTCTTCCAGCTTTTGTCC
 CCCGACTTTTGTACGAATCGAGGACACCGTC

>RXC00412 - coding Region
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 CGCGTTGAGTTCCGCGGCATAACCAAAGTCTTTAGCAACAATAAATCTGCTAAACCACCGCGCTTGAT
 AATGTCACTCTCACCGTAGAACCCGGTGAGGTAATCGGCATCATCGGTTACTCTGGCGCCGGCAAGTCC
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 ATCGCAGACAAGGTTGCTGTGATGGAATCCGGCAAAGTTGTGGAATACGGCAGCGTCTACGAGGTGTTT
 TCCAATCCACAAACACAGGTTGCTCAAAAGTTTCGTGGCCACCGCGCTGCGTAACACCCAGACCAAGTG
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 TATCAAACCTTGACCAAGACCACGACCATCAAGGAGATCACCCGA

>RXC00412 - 3'-Region
 TGAACGAGATGATCCTCGCAGCT

>RXC00526 - 5'-Region
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 CAAGCAAACCGTGGGCCAGGTGATTTAGCCT

>RXC00526 - coding Region
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 AAATCAACGATGATGAACATCATTTGGGTTGTTGGATAAGCCAACTGATGGCACGTACACCTTGGATGGC
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 GATCCTGAGATCATTTCTGCTGATGAACCAACTGGTGGTTGGATTCTGCAACGGGCGGATGGTGATG
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>RXC00526 - 3'-Region
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>RXC01004 - 5'-Region
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 TCACCCATGAAGAAGCAAAGGAGTACGAAA

>RXC01004 - coding Region
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 GAAAAGGTTCTCTACGCAACCGAGCACCTCTCCATCATGTTGGCGGGCGCTCAGTTCGGTATTACGGTC
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 GCGGACGGCCTCATGGATGACGCTTGGATTTTATGCACTACCGCTCCGCGCACATGGCTCAGGTTGCG
 CTCAAAGGTGAGCTTCTCGGCGTGATTACGCTGGAGGATCTCATCGAAGAATACGTGGGCACCGTCAAC
 GATTGGACTCACGAAAGCTCCGACGAC

>RXC01004 - 3'-Region
 TAGAAATAGTAAGTGTGTTGGAC

>RXC01017 - 5'-Region
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 TGCTAGAAAACCTTAAGAAAGAGGAAATAAT

>RXC01017 - coding Region

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AAGGAAGTCGAACAAGTCCGCGATATTGAAATCCAGTGGGTTCGAATGAGCCTCGCTGTCTAAACGAA
GGCCGTGATCTCCCAGAGGATTACAAGGAGCGCATGAAGGCTGCATGGGGACCAGCACGCGTTTTTCGCA
GCTGTGCCACCGACCATGCTGACAAGCTCGGCGACCTGTACACCGCAATGGGTACCCGCATCCACAAC
GACGGTCGCGGACCAATCGAAGGTTCCCTTCAATGATGTATCGCAGAGGCACTTGAAGAGGTGGCCTA
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GCAATGGACGAGGTGCGCAACGATGTGGAACCCAGTGGTCAAGCTCGGCGACACCGCTTCTTCGGC
CCAGTGCTCACCCGCATCCCACGCGGCGAGGAAGCAGGAGAGATCTTCGACGCTTCTTCAAGCTCGCA
AGCTATCCCCACTTCTTTGAAATCAAGCGCAGCCGCACTGAGAACCCACAGTTCGAC

>RXC01017 - 3'-Region

TAATTAACGCTGTCTCTGCTTAT

>RXC01021 - 5'-Region

CGAGAGGCTTTTTTGGCTCTAAGCCTTTTAGTTCGTGCGAACGAAATCTTAAGCAGCCTCGGTGCCACCG
AGATCGATTGGTCGCTGTAAGGTATCTGATT

>RXC01021 - coding Region

ATGTCCAGTTCGGAAAGCTCGCGTTCGGAAGGCTCGCAGCCAGCACCGTCTGTACAGCCTGAACGCCGT
GCTGATTCAACGGGGGCTCCTGCGGCAGCTTCCAAGGAAGCTTCCCAACAAATGGACGCTGCCGGAGTT
CTTGAGTGGGCCAGGACCGCTGTGAGCAGCTTCTGAACGTCGTGCAGAGATCAATGCACTGAATGTC
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GCCCCAGGAAATTTCTGGAGTAGTCTTAGTCAGGTCTTCGCGCTATTGCTCAGGCAGCTGCTGACGGG
GTTATTGATGGCCACACAATCCAAGAAGCGCTATCCATTGCTCGCTCCCTAGTTGATCGCGCAATTACA
GATCCTGTGGAGGGCACTGTTGTCACTGTGTTGCGTTCT

>RXC01212 - 5'-Region

TTTAGAAGCCACATGACATATGTCATGAAATTATGTGCAAAGTGCAGTAATACTCCTGACATATGGCT
CTACCAGCGCCAATGCGAAGTAGGAAGAATT

>RXC01212 - coding Region

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AAAACCTCCACCTTGGAAGTCATCGAAGGACTTTCCGCACCCAGCTCCGGCACCGTGCGCATCTCCGGG
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CACGTCCGCATCGCCACCACCCCTGCAGCAGCACACCTTAGAAATACTTACCTGGGCTGCAGAGACC
GGGATCGCGCTGGAAGGCTTCGCTGCAAAACCCGCCACCTTGAATCCGTATTATGGACATCGCCTCA
CTCGAGAACACCTCGCTGCAAAACCGCC

>RXC01212 - 3'-Region

TAGAATCTTTAAGGAGACCACAA

>RXC01306 - 5'-Region

TGTTTTAGAGGTAGAGCGAAACGTGCCTGTAAACTGGCGCTCGCTGTGCTCGAAGACCACCCAGACAA
TCACCCCGCTCCGAAGGAGAATCGCTAAGCC

>RXC01306 - coding Region

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ATTGAGTTCGCTTTGCTTGCAGCTAGGCGGAACCGGTTAGAGGAGACTGTGGAACCTCGCGGTCTTCC
CGCGCTGCGTTGCGAAGCCTCAATGAACTTACTCTCATGCTCGCGGCGCGCAGTTGGGAATCACCATG

GTGACTTTTCGCGTTGGGTGCTATCACGAAGCCGTGGGTTCATTATGCTTTGATGCCGCTCTTTCGAATGG
GCGCGTATACCGCTGGTTATGGCAGATGTCATTGCGTTTATTTTGTGCTGTTTATCGTAACGTTTCTG
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AGCGGAATTATCAAGCTGGATAAAATCACGGTCGGTCAAACCTGACCGCATCTCCATTACGCACAGC
GCCAGCGCCACGGTTGCTGAGGTGCAAGCCGAGCTCAGCGCAGTGGCAGCTTGCCTGTGCTTATCGAC
GCCCCCTCCACCTTTTCCACACGTCATTATGTGCGAGACACCCTTGGTGCCTCGCCAGACGAGAAG
GCTTCGAAGTGGTCTCGCCCAATCCTCACCGTTGCTGAGACCGACACGTTACACCAAGCGCTGGAATAC
ATGCGGGAGCATAACGAGCAGATCAGTGCCTGCTTTCCGCTGATGGGAAAACGGTGCTTGGTGTAA
ACTTGGGATCACATCTTGAAATACCTGTGGCCTGCATCGGTG
RXC01306 - 3'-Region
TAGCTAATTTGAGGTGCGCTGAA

>RXC01366 - 5'-Region
ATGCATGAAACAAATTCTATGTGTGTTGAGCTGCCAAAAGGGTTGGCGCGCCGATGATGACTGTCCA
AACCTAAACCAAAGGTCTAAACTTTGGCTTC

>RXC01366 - coding Region
GTGAGTCAGTTTCGTCGTTGTTCCCGCCCTGGTTGTGGCAAGCCTGCCGTGCGAACCCCTCACCTACGCA
TATTCGGATTCCACTGCGGTGGTTGGTCCCTTTGGCGCCTGCAGCAGAGCCCCATAGTTGGGATCTGTGT
GAGCATCATGCCGAGCGTATTACTGCGCCCTTGGTTGGGAGATGCTGCGGGTGAACGACATCAAAGTC
GATGACGATGAGGATCTGACGGCTCTTGCTCAGGCTGTTTCGTGAGGCTGGACGCACTGTGAGTGGTCTG
GTTTCTGAAGACGAAGTGGGCGGCAACCATCCGGTGAACCGGAGTGCCTGGATCGCGGAACAGAAGGTT
CACCGCAGGGGTCTATCTATGTTGTGCTGATCAGGACGAATCA

>RXC01366 - 3'-Region
TAAGCTTTGCTATTTCGGATTGGA

>RXC01372 - coding Region
CAGGACACCTTCGTCCTTCCACCTTGCCACGGCCGAGGCTTGTCGCCTGCCCGCATCGTGGCGTGC
ATAAGCACTCTTTTAGATCTTTTAGAAGCAGACCCAGCATTTATTTCCGACCGCTTGGAACACCTCGCC
GACTGCATTGATGAGGAAGTGAATCGCTATCGCCGGAACGTGACGAAGTAGTCAATCCCGCGCGAAAA
CTGCGCGCATACGTAGATCACGCACGGATCGTGCATACCGGCCGAAGTATGATGTGGGACTCGCGATTGCC
AACGTTATCGCCCCAATCTGGACCCGACGAGGCTGGTATCAGCCGTGCTGGATTTTCCCGAGCTCATG
GAATCATTGCCGGAACCTCCGCGGACCCGAGCCAATTACCGACGATATATTCATGACCCATTTCATAGAT
GACGAACCCGGGGTGGTACCGTTTAGGGCTGTTGTCTGGGCCGAAGAGGAACCCGGAATCCCGATGCC
ATGGCGCAAAGCTGCGACGGACCTAGCAAAGGGGCGCTGACACAAGCACTGCGTTTGTGCTGGTGCCTGGA
CAGTCAGCCACGACCTATTCATTTGAAGAAAAGGACTTG

>RXC01372 - 3'-Region
TAAATGGAGCTATTGGAAGGCTC

>RXC01659 - 5'-Region
TTGATGCGCGCCGCGGTGAGCAGCCTGCCGATCCAGAGCGTGAAGAATCTGATGATTTAGTCGAGATTG
ATACCGTCTCTGGATTCCGCCTGCTCAGTAC

>RXC01659 - coding Region
GTGGCGGGGGTTGCGCAGCGTTTGTGACGAGCGCATTCACGTCCGTTTGGATTCCATGCCAGAAGCT
TGACTGCTGTGTGGATGGAATCTGATTGGGTGTTGGCGGAAACCATCAAGGGTTCCACGCCTTCCGAT
TGGGAAGAGATTTTTCGGCGCTTGGCGCTGCTCACGGACGCGTCTTTCACGTTGCCACCTCGTTCCAG
CGTGGCGAAACCTTGGATTTGAAGCATTGGAACCAAGCCGTCTGAAGCCGGAGCAGCCAGAAAAGCCA
GCGTTTACTCCCAATGCTTCGGAAGAAGATTTGTCTCAGCCGTTGGTGTATCCGCCCCGAGGAGCCGTTG
CAGATGCCGGTTTCGCGGTGTCAGGAAAGCCGCGGAGTGGTTCAGCCACGGTCATTGGGTGCGGATGAT
GTGGAGTCGATTGCGGAGGGCGATCCAGAGCGTCCGAGCGATCTTTATGGCACGCGTGTGCTGCGTGT
CTCAATGGTCAGTCCAGTATTTTCCAAGATTCCACCGACGCGGATGAGCCACCAAAAAAGTGG

>RXC01659 - 3'-Region
TAGAAAACCTGGTGTTTTTCGGCC

>RXC01663 - 5'-Region

TATTTTGTGTTGGTCACAGTGGAGCGCTAACCCCGAGAATCCTATCGAGGCCTAAAATCGTGGCTTG
AGTACGCACTGCCAGTAAGGTGTGTGATGTG

>RXC01663 - coding Region

ATGGAAATAAGTGTCTTGATCATCGCCGCACTGATCTTGGTGGCAGGCATCGTACTGTGGCGCGCGGAC
TCGTCTAAACAGGCAGCTAAAAAGGCTGAATCACCTGTGGGCTCAGTCGCACCTGCGCCCGTGTGTT
GAAGAAGAGCCGGACCCGTGAGTTTGAGCCAGAAGTGGACCCCTGAACCAGAAGCGCAACCAGAACCAGAG
CTGGAAGTTGCGCCTAGATTTGCGCCAGAACCAGTTCAAGATCTTGAGCCGGATCAGGCTGAGGACATT
TATTTTGATGATTCCCCTGAACTCGATGCTGATGTTGAAAATGCCTTGCTGAGCTTACTGAGGTAGAA
GACTACCCGGAAGAGCCAGTGCAGTCTGAGCAACCTCAAGCCCCTGCCACGGCGGAGGTAGCTGCGGAC
GAGGAGCAACGGGGCGTGCATAAGCATTCTGTTTTTGAGCTCTTTGCTGGTTTCGCAGCGCCGGGAGCGC
CGAAACTGGGCGGCGAAGCACCATTTCGATTTTCATCAAGGAAGATGCCTTTTGGACCGATGAATGGTCA
AGGGGTGCGGCATCGACTGGTGCCGTTGCACGTGATGTGGTCAGTGGCATGGCTGAAGGATATGAAACG
CATCTGGTGGATTTGGCGGGCGTGCCCGTGTGCGCATGCGCCGTGGAATTACCTCTGACGTGGTCATT
GATGCGCGCGCGGTGAGCAGCCTGCCGATCCAGAGCGTGAAGAATCTGATGATTTAGTCGAGATTGAT
ACCGTCTCTGGATTCCGCTGCTCAGTACGTGGCGGGGTTGCGCAGCGTTTGTGACGAGCGCATTC
ACGTCGGTTTGGATTCCATGCCAGAAGCTG

>RXC01663 - 3'-Region

TGACTGCTGTGTGGATGGAATCT

>RXC01693 - 5'-Region

AGGAGACTGGCTGGATTATTGGCTGGTTTTCTTGGGAAATCGTCATGGGCATTAATCCTAGTCCCAACA
ATTGCCAGAACCCGAACACTAGGCTTGAACC

>RXC01693 - coding Region

ATGAATACTGCACCTTTCAAACCTCGAAGCTGACTTCGCATCAGCCCTGCCACCATGGCAGCCCCCTGG
CAAGGTGAGGAAGCCCCCAACCCTGAGCTCGTGATTTTAAATGACGACCTCGCCTACAGCCTCGGGCTT
GATCCGACATGGCTTCGCACACCTGAGGGCGTTCAATTTCTTCTCGGACTCAACCCCGAGCCCTTAACA
AAAGCAGTTGCGCAGGCCTATTCCGGCCACCAATTCGGACAGTTTGTGGCAAGCCTTGGTGATGGCCGA
GCGCTTCTTCTCGGCGAAGCCCGCTCAGCTGACGGCGTACTGCATGATATCCACCTCAAAGGATCTGGA
CGAACCAATTCTCCCGAGGAGCCGATGGACGCGCCGTCCTTGGCCCCGTCTTACGCGAATACATCATC
TCCGAAGCGATGCATGCACTTGGTGTTCCACCACCAGGTCACTTGCAGTAATTAGCACCCGTAGGAAA
ATCCAACGAGGAAGCGTAGCCCCAGGCGCAGTCCTTGTTCGAGTAGCAACCAGCCTCATTCGAGTCGGA
TCTTCCAATACTCCAACATCTCTGGTGGCATCGAACTATCTCAACACCTGGCGAACTATACGATCACC
AGGCATTTCCCTTCGTTGGTAGCTGAACTATCCGCACCAACCCCGCAACTTATGTATCACTGTTTTAA
GCGATTCTTCAGCGCCAAGCAGACACCGTTGGAAAATGGACCAGGCTGGGTTTCGTTTCACGGAGCCCTC
AACACAGACAACACGTTGATATCCGGAGAACTGTTGACTACGGCCCATGCGCTTTCATGGAGCGCTAC
CGTGGCGACGCGAAATTTAGCTCCATCGACACTTATGGTCGCTACAAATTTGAAAACCAACCTATGATC
CTCGGATGGAACATGGCCCGCTCGTAGAAACCTCCTCCCACTCCTGGGCGCCACACCAGACGAAGGC
ATGACAGCAGCCCCAAGAAGCTCTCGTAGAATTCGATGACCTCTGCGAACAAGCAATCCGAAAAGAATTC
GCCACTGCACCTGGGCTTGACGAGTCAGACACCGGCAGGTAGAGCAGTTCCGTGAACCTGCTCTACCTC
CATAACCCCGACATCACCACGCTGCTGCGCGCACTCACCGACAACACCGCACCACCGAGTGGCTTTGAA
GCATTGCTTCAGCACTGGAAAACCCAAGACCCAGATATCGAAGCAATGCGAGCAGTAAATCCACTTTTC
ATTCCACGCAATCACCTCGTGAAGCTGCTCTCGCAGACGCAGTTGAAGGGAATCTAGAAAAGTTCCAC
GAACTCCTCGCTGCTGTACCAATCCTTTTGATCCAATGCGGGCCCCGATGAACTACGCCTGCCAAGC
GAAGAAGGATTTGAAGAAGACTACATGACCTTCTGCGGTACC

>RXC01693 - 3'-Region

TAGGACAGATGGTGGGGCAGACG

>RXC01703 - 5'-Region

GTTAGACAAATGGGTAAACAGAGCTGACCTAGCGGAATCCGCCATCAACGAAAGGCATTCCGCGAGGGT
TTGGGGTCTGCCTCGAACAATCTTGGGTTT

>RXC01703 - coding Region

GTGGCATGGCCATCCAACGCCAAAGAAAACTGTTTATCCACTGGCACTACTGGTGGCAAGCGCATTAT
CTAGACTGCCTGGTGGATGCTGCTCGTCGACGCACCACAAAGGCCCGTCGCGACCGCATCAGGGACACC
ATCCGCGGCATTTCCGTGCGCAATGTGGGCAAGCTGACCTCGAATCGTTATTACGACGACAAAGCTTGG
CTGGCCCTTGCTCTTGGGCGTGCCGGAAGTGCGAAGGTGCGCACACCAAAATCATTGCCCTCGTTG

GAACAAAACATCGTCGATGGCATTGATTCCCTTACTGGTGTGCTGCCGTGGCGTTCCGGCGAAACCTTC
TACAACGTTCCCTCCAACGGTCCTGCTGCGATCATGATGGCCCGCACCGACCGTTTGGACGAGGCTATG
AAAATCACCGATTGGATTTTGGACAACCTGATCGATGGCGACGGCCTTGTGATGGACGGATTGCGCATG
CGCATGCACGGACCTGAGCTTGTCCGTTCCATCCACCCGATTGCCAAGGTGTCGCCATTGGTGCGTGT
TTGGAAATTGCTCTCAAACCTGCGTGAGCGCGCAGGCTTGACCACTACTGTGGTGGATCACTGGTCCGGAT
GCCGATAAGGCAGAAGACTCCCTCAAATACTTTGCACACATCCACGCTGTGGTTCAGGCTGTGTCCGG
AAGATGACCAACTTCCACGGCGTTATTGATTGGGACACCGGTGACGGCGACGGCGGTTTGTTCAGGGC
ATTTTGGTCCGCTATTTAGCTGATGTGGCCATCCGCCTGCCGTGACGATTACCAACCAACCGGGAAACC
AAAAAGATTGCAGCACGCCTGGTACTGGAATCGGCGGAAAGCGTATGGAACCAACCGATTGGAAGTTGAT
GGCCTTCCGGTATTGCGCCACAGACTGGACAACGGATGCACGCCTGCCACAAAACCTTTGGTTTGAGTTCC
TCTAGTTTGAGCGATCTGGTGAGTGTGTGCGCGTGGATGAACGTGATCTGTCCGTGCAATTGTCCGGT
TGGATGCTCATGGAAGCAGCAGCGAAAGTGGCCGAAGAACTGGAAAACAACGGCAATAGTTACACCGGT
CGTCCCGA

>RXC01703 - 3'-Region
TAGCCCCGATAGTGTATGTGCTG

>RXC02254 - coding Region
ATCGCCGTTGCCGAAGAAGGCGGATTGTGGGAAAACCTCCTGCAGCACCGCTTCGGTGGACATGGTGCG
CTAGCTGGTCACGCCTTGGGAAAACCTCGTGATCGCGGCGTTGACCGACATTTTGGGCACCTCCCAGCAT
GCGCTTGATCAAATCGCTCAACTCGCTGGAGCCAAAGGACGCATCATCCCGGTATGTGCTGAACCTTTG
GATCTTGAAGCGGAAGTATCAGGTCTAGACTCTGATGCTCGAGTCATGCGTCAAGTTCGTGGTCAAGTG
GCGGTAGCTGCAACCCCCGGGCAGGTGCGACGCGTTTGAATCATTCGGGACAATCCAGAACCGAACCCC
GCTGCCATCGAGGCCATTCTCGATGCAGATTGTGGTCAACCTTGGCCCAGGTTTCTGCTCTGTG
ATTCCACACATTTTGGTCCCAGGGATCGTTGATGCCTTGGCGCAGACAAAAGCAACCAAAACCGTGGTG
TTAAACCTGCAGTCCGAGCCAGGGGAGACCGCGGATTCTCTGCAGAACGACACATCCATGTGCTCCGG
CAGCATGCTCGAAACCTTCAGGTGACCAAGTCATTGTGATGCCAAGACACTGTCTCACAAACCGAA
CGCAATCATGTAGAACGAGCTGCTCGCACCCCTTGGTGAGAGTCTCCTTCCATGATGTCCAGGCTGAA
GATGGCCGTGCTCGATTACCAAGTATTACGATCCAGCAAAGCTGTCTGCAGCGTTGCTGGCAAGTTTT
GCTGGAGCACGAAAGCGT

RXC02254 - 3'-Region
TAAGGAGTAGGCGTGTCACTGAC

RXC02255 - 5'-Region
GTGTGCAGCGTTGCTGGCAAGTTTTGCTGGAGCACGAAAGCGTTAAGGAGTAGGCGTGTCACTGACGAG
TGATATCAAACAAGAATTGGCGCAGGTCCAT

RXC02255 - coding Region
GTGGCCAAAAACAGTGTTCGTGCTGCGGAAGTGTCTGCAATTTTAAGGTTTGTGGTGAGATGCAAGCT
GTCGGCGGCAAGCTGGTCATCGAAGCAAATTTGGACAGCATGCAAGTCGGTATGAGGCTTCAGGAGTTT
ATCCAAGGTTTGTACAACTCTCGAGTCGATGTGCACACCGTGAACCCGACTGTGAGCAGGAAAACGCCA
CGCTATTTGGTGCGCATATTGACAATGCCGATGAAATTGCGCGACGCACCGGACTGGTCACCAGGTCT
GGACATGTGGTTAAAGGTCTAGCGCCTTCTGTGGTCAGCGGAACAATCAGTGACGCTGAAGCTGCATGG
CGCGGTGCGTTTCTAGCCAATGGATCTTTAAGTGATCCAGGTTCGTTTCTTCTCGTTGGAGGTGTGTGT
CCTGGTCAAGAATCAGCATTGGCACTGGTTGGATGTGCGCGAAGAATTGGGATCGCGGCGAAAACGAAA
GATTCTCGAGGATTTGATCGCGTCAATGTTTCGTGATGCGGAAGCAATTGGGGCACTGCTCACTCGAATG
GGTGCCAGAAAACCTCGCATGTTGTGGGAAGAAAAACGCATCAAGCGGGAAAGTCGAACTCCGCAAACC
GGGTTGGCCAACTTCGACGATGCCAATCTGCGCAGGTGAGCCCGAGCAGCAGTTGCCGCTGCAGCGAGG
GTAGAACGCGCCATGAAGATTCTTGGTGATGATGTTTCTGAGCATTTCGCTGAGGCTGGACAGCTGCGT
GTGCAGCACCGTCAGGCATCGTTGGAGGAGTTGGGCCGTTGGCTGATCCTCAAATGACCAAGGATGCT
GTGGCCGGTCGTATTTCGTCGTCTTTTGACGATGGCAGATAAGCGCGCCGAAGATCTGAAGATTTCCTGAT
ACAAATTCTGTTGTGACGGAAGATTTGTTGGAAGAAATT

RXC02255 - 3'-Region
TAGATGATTGAAGCCTAAAAACG

RXC02435 - 5'-Region
TCATGAATGTAGAACGGATTTATCGACAAGCGCCAGCAAGTACGTTGATCTCTTTAGCCATCATCGCTG
TGTACGCAGTGCGGCCATTCAATCGAGATCA

RXC02435 - coding Region

GTGACAGACAACCTGGGTTCAACCAGTATCGGTGACGCGTGGATTCTGTACGCACCGCTGATGGATGAT
GGTGGCTTTGGTCCACTGCGTGCCATCGGAGGAATGTTCTGCACATTGGCCCCGGGCACATGCTGTTG
AACCTTGTGTTGTTGTGGTTGCTGGGAAGAGAAATTGAACGAGACTTCGGTTCTGCGCTTTTCACTGCG
ATGTACTTTGTGGGCGGTATTGGTGCGTCTGCAGCTGTCATCTGGATGGATCCCTATTACCGACAGCA
GGTGCTTCCGGCGCCATTTACGCCATGATGGCTATTTTGGTGGGGCTTTTGTGTTAAGAAGCGCGGAT
ATCCGAGCACCCTTGATCCTTATCGCCATCAACATCGCCTATACCTTGATGTCCACCAATGTTTCTCTG
TGGGGACACCTTGGAGGTTTGATCACTGGAGCTTTAATTACTTGGCCAATGGTTAAAGCGAAAACCTCAA
AGAACACGGTGGATTATCGTGCTCATTGGTTTTGCTGTAGTTGTGGCTGCTGTCATTCTAGGAATTGAC
CGGGTG

RXC02435 - 3'-Region

TAGACACATTCCGCCCATTGCCC

RXC03216 - 5'-Region

GCTGTATCACAGTCAGCTGCAGCAGGTGGCGAAACCGTTGCGGTCCCAGCGGCTGCTCTGATCCCTGCA
AACAAC TAGAACTATT CAGAAAGCATCACC

RXC03216 - coding Region

ATGAAACTCGGTCTCTACAACGCGATCTTCCACGACCGCACCCCTGCCAGAAGCGCTCGCAGCCATCAAA
GCTGCAGGTCTCACCAGGAATTGAACTCAACACCGGCGGATTTTTGCCTGCAACCCACATCCCGACCATC
GATGACATCCTGGTCAGCGATGATGCCCCGCGATGAATTCCTCGGGATTTTCGAAGGCACCGGCGTGCAC
ATCTACGGCCTTAAGTGAACGGCAACCCGCTTCACCCCAACAAGGCGATCGGGGACAAGCATGCCGAA
GACATTCGACGTTCCATCCGCCTCGCAGAGCGCCTCGGCCAAAACCGTGTGGTCACCATGTCTGGTCTT
CCTGGTGGCGAACCAGCGCGAAGTACACCAACTGGGTGTCAACGCGTGGAACCTCCGCAGCCTTGGAT
GTCCTTGATTACCAATGGGATATCGCAGCTGAATTCCTGGCGCGAGACCGACCGCTTCGCCGCGATCA
GGCGTGAAAGTGGCTCTTGAGCTGCACCCACAGAACATCGTGTTCAACTCCGCTGACGTGCATAAGCTC
ATCGATCTCACCGGCGCCACCCACGTGGGCGTGAAGTGGATGCATCACACCTGTTCTGGCAGCAGATG
GACCCAATCGCTGTGATTGATCACCTCGGCGAGCTCATCTTCCACGCGCGCGCCAAAGACGTGCGAGTT
AATAAGGAATGGGCTCAGCTCAACGGTGTGCTGGACAACAGCTTCCGACGCCTTGACCCATCCGAAAAC
CGCACCAACTTGGGCGGCGACGAGTGGGCGAATGAATGGCCAAAGAACTCTGCTTGGGATTTCTGTTGCT
CTGGGCGCGGTGATGACGTTGCTTACTGGACCGAATTCCTCCGCGCACTTCACCGCGTCGATCCAAC
ATGCTGGTCAACATCGAACACGAGGATGTTTCACTCGGTGCGAAGAAGGCGTCAACGAAGCCGCTAAG
GTGCTGATCGAGGCCAACAGGCACTCGAAGAGTCCCTGGTTTCT

RXC03216 - 3'-Region

TAAAAAACTACGCCTGCCCCGCAACGCTT